

UC511 09/63

ISSUE CLASSIFICATION

PATENT NUMBER

U.S. UTILITY Patent Application

O.I.P.E.
3 DW Q.A. CR
SCANNED

PATENT DATE

APPLICATION NO. 09/639990	CONT/PRIOR F	CLASS 348	SUBCLASS 340	ART UNIT 2613	EXAMINER Chase
------------------------------	-----------------	--------------	-----------------	------------------	-------------------

Jun Tanida
Kenji Yamada
Daisuke Miyazaki
Yoshiki Ichijo

APPlicants

Image input accepted

THE

PTO-2040
12/99

ISSUING CLASSIFICATION

ORIGINAL		CROSS REFERENCE(S)			
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)		
1	1	5			
1	2	5			
1	3	5			
1	4	5			
1	5	5			
1	6	5			
1	7	5			
1	8	5			
1	9	5			
1	10	5			
1	11	5			
1	12	5			
1	13	5			
1	14	5			
1	15	5			
1	16	5			
1	17	5			
1	18	5			
1	19	5			
1	20	5			
1	21	5			
1	22	5			
1	23	5			
1	24	5			
1	25	5			
1	26	5			
1	27	5			
1	28	5			
1	29	5			
1	30	5			
1	31	5			
1	32	5			
1	33	5			
1	34	5			
1	35	5			
1	36	5			
1	37	5			
1	38	5			
1	39	5			
1	40	5			
1	41	5			
1	42	5			
1	43	5			
1	44	5			
1	45	5			
1	46	5			
1	47	5			
1	48	5			
1	49	5			
1	50	5			
1	51	5			
1	52	5			
1	53	5			
1	54	5			
1	55	5			
1	56	5			
1	57	5			
1	58	5			
1	59	5			
1	60	5			
1	61	5			
1	62	5			
1	63	5			
1	64	5			
1	65	5			
1	66	5			
1	67	5			
1	68	5			
1	69	5			
1	70	5			
1	71	5			
1	72	5			
1	73	5			
1	74	5			
1	75	5			
1	76	5			
1	77	5			
1	78	5			
1	79	5			
1	80	5			
1	81	5			
1	82	5			
1	83	5			
1	84	5			
1	85	5			
1	86	5			
1	87	5			
1	88	5			
1	89	5			
1	90	5			
1	91	5			
1	92	5			
1	93	5			
1	94	5			
1	95	5			
1	96	5			
1	97	5			
1	98	5			
1	99	5			
1	100	5			
1	101	5			
1	102	5			
1	103	5			
1	104	5			
1	105	5			
1	106	5			
1	107	5			
1	108	5			
1	109	5			
1	110	5			
1	111	5			
1	112	5			
1	113	5			
1	114	5			
1	115	5			
1	116	5			
1	117	5			
1	118	5			
1	119	5			
1	120	5			
1	121	5			
1	122	5			
1	123	5			
1	124	5			
1	125	5			
1	126	5			
1	127	5			
1	128	5			
1	129	5			
1	130	5			
1	131	5			
1	132	5			
1	133	5			
1	134	5			
1	135	5			
1	136	5			
1	137	5			
1	138	5			
1	139	5			
1	140	5			
1	141	5			
1	142	5			
1	143	5			
1	144	5			
1	145	5			
1	146	5			
1	147	5			
1	148	5			
1	149	5			
1	150	5			
1	151	5			
1	152	5			
1	153	5			
1	154	5			
1	155	5			
1	156	5			
1	157	5			
1	158	5			
1	159	5			
1	160	5			
1	161	5			
1	162	5			
1	163	5			
1	164	5			
1	165	5			
1	166	5			
1	167	5			
1	168	5			
1	169	5			
1	170	5			
1	171	5			
1	172	5			
1	173	5			
1	174	5			
1	175	5			
1	176	5			
1	177	5			
1	178	5			
1	179	5			
1	180	5			
1	181	5			
1	182	5			
1	183	5			
1	184	5			
1	185	5			
1	186	5			
1	187	5			
1	188	5			
1	189	5			
1	190	5			
1	191	5			
1	192	5			
1	193	5			
1	194	5			
1	195	5			
1	196	5			
1	197	5			
1	198	5			
1	199	5			
1	200	5			
1	201	5			
1	202	5			
1	203	5			
1	204	5			
1	205	5			
1	206	5			
1	207	5			
1	208	5			
1	209	5			
1	210	5			
1	211	5			
1	212	5			
1	213	5			
1	214	5			
1	215	5			
1	216	5			
1	217	5			
1	218	5			
1	219	5			
1	220	5			
1	221	5			
1	222	5			
1	223	5			
1	224	5			
1	225	5			
1	226	5			
1	227	5			
1	228	5			
1	229	5			
1	230	5			
1	231	5			
1	232	5			
1	233	5			
1	234	5			
1	235	5			
1	236	5			
1	237	5			
1	238	5			
1	239	5			
1	240	5			
1	241	5			
1	242	5			
1	243	5			
1	244	5			
1	245	5			
1	246	5			
1	247	5			
1	248	5			
1	249	5			
1	250	5			
1	251	5			
1	252	5			
1	253	5			
1	254	5			
1	255	5			
1	256	5			
1	257	5			
1	258	5			
1	259	5			
1	260	5			
1	261	5			
1	262	5			
1	263	5			
1	264	5			
1	265	5			
1	266	5			
1	267	5			
1	268	5			
1	269	5			
1	270	5			
1	271	5			
1	272	5			
1	273	5			
1	274	5			
1	275	5			
1	276	5			
1	277	5			
1	278	5			
1	279	5			
1	280	5			
1	281	5			
1	282	5			
1	283	5			
1	284	5			
1	285	5			
1	286	5			
1	287	5			
1	288	5			
1	289	5			
1	290	5			
1	291	5			
1	292	5			
1	293	5			
1	294	5			
1	295	5			
1	296	5			
1	297	5			
1	298	5			
1	299	5			
1	300	5			
1	301	5			
1	302	5			
1	303	5			
1	304	5			
1	305	5			
1	306	5			
1	307	5			
1	308	5			
1	309	5			
1	310	5			
1	311	5			
1	312	5			
1	313	5			
1	314	5			
1	315	5			
1	316	5			
1	317	5			
1	318	5			
1	319	5			
1	320	5			
1	321	5			
1	322	5			
1	323	5			
1	324	5			
1	325	5			
1	326	5			
1	327	5			
1	328	5			
1	329	5			
1	330	5			
1	331	5			
1	332	5			
1	333	5			
1	334	5			
1	335	5			
1	33				

Continued on Issue Slip Inside File Jacket

TERMINAL DISCLAIMER		DRAWINGS		CLAIMS ALLOWED	
		Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims
<input checked="" type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.				NOTICE OF ALLOWANCE MAILED	
<input type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. _____		(Assistant Examiner) _____ (Date) _____		ISSUE FEE	
				Amount Due	Date Paid
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.		(Primary Examiner) _____ (Date) _____		ISSUE BATCH NUMBER	
		(Legal Instruments Examiner) _____ (Date) _____			
WARNING:					
The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.					

Information

The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-438A
(Rev. 6/99)

FILED WITH: DISK (CRF) FICHE CD-ROM
(Attached in pocket on right inside flap)

(Attached in pocket on right inside flap)

(FACE)